


```

APPLICANT: Ikuo FUJII et al.
TITLE OF INVENTION: CATALYTIC ANTIBODIES ENANTISELECTIVELY
TITLE OF INVENTION: HYDROLYSING AMINO ACID ESTER DERIVATIVES
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/737,129A
FILING DATE: No. 5885816ember 15, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 213 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-737-129A-4

Query Match      89.6%; Score 1004; DB 2; Length 213;
Best Local Similarity 89.3%; Pred. No. 7,9e-73;
Matches 191; Conservative 8; Mismatches 13; Indels 2; Gaps 1

QY   1 ENVLTGSPAINMSASBGEKYTMTCRASSSVSSLYLHWYROKSGASPRLWYTSNLSAGVP 60
    1 : :::::::::::::::::::: ::::: ::::: ::::: ::::: ::::: :::::
Db   1 ELVMTGPALMSASBGEKYTMTCSSASSI - SYMHWYQQKPGPRRMWIGTSKLNSGVP 58

QY   61 ARFSGGSGTSLTLTISSVEADAAATYYQQYSGYTFEGGGRKLETKRDAAPTVSIFPP 120
    1 : :::::::::::::::::::: ::::: ::::: ::::: ::::: ::::: :::::
Db   59 ARFSGGSGTSPSLTISSMEADAAATYYCHORSYPFTFGGGRKLETKRDAAPTVSIFPP 118

QY   121 SSEQLTSGASVVCPLNNFPYPRDIVWKIKIDGSESRONGVLNSMTDDSDSDFYSMSGTYLF 180
    1 : :::::::::::::::::::: ::::: ::::: ::::: ::::: ::::: :::::
Db   119 SSEQLTSGASVVCPLNNFPKDINVKKIKIDGSESRONGVLNSMTDDSDSDSTYSMSGTYLF 178

QY   181 LTKDEYERHNSYTCATHKTSTSTPIVKSFNRNEC 214
    1 : :::::::::::::::::::: ::::: ::::: ::::: ::::: ::::: :::::
Db   179 LTKDEYERHNSYTCATHKTSTSPIVKSPNRNEC 212

RESULT          3
US-08-303-569B-5
Sequence 5, Application US/08303569B
Patent No. 5859205
GENERAL INFORMATION:
APPLICANT: Adair, John R.
APPLICANT: Altwal, Diljeet S.
APPLICANT: Emlage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

```

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1 ADDRESSSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205tris
2 STREET: One Liberty Place - 46th Floor
3 CITY: Philadelphia
4 STATE: PA
5 COUNTRY: USA
6 ZIP: 19103
7 COMPUTER READABLE FORM:
8 MEDIUM TYPE: Floppy disk
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10 SOFTWARE: Patentin Release #1.0, Version #1.25
11 CURRENT APPLICATION DATA:
12 APPLICATION NUMBER: US/08/303.569B
13 FILING DATE: 07-SEP-1994
14 CLASSIFICATION:
15 ATTORNEY/AGENT INFORMATION:
16 NAME: Trujillo, Doreen Yanko
17 REGISTRATION NUMBER: 35,719
18 REFERENCE/DOCKET NUMBER: CARP-0032
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: (215) 568-3100
21 TELEFAX: (215) 568-3439
22 INFORMATION FOR SEQ ID NO: 5:
23 SEQUENCE CHARACTERISTICS:
24 LENGTH: 235 amino acids
25 TYPE: amino acid
26 TOPOLOGY: linear
27 MOLECULE TYPE: protein
28 US-08-303-569B-5
29
30 Query Match 87.4%; Score 979.5; DB 2; Length 235;
31 Best Local Similarity 89.2%; Pred. No. 7.8e-71;
32 Matches 190; Conservative 6; Mismatches 14; Indels 3; Gaps 2.
33
34 3 VTGSPALMSAPGKVMTCRASSVSSTYUHWYRKSGASPKLMIYSTNLASGVPAR 62
35 25 VLTGSPALMSAPGKVMTCRASSVSSTYUHWYRKSGASPKLMIYSTNLASGVPAR 82
36 63 FSGSGSGTSTSLTISVEADATATYTCOQSGYR-TFGGGLKLEIKRADAPTVSIFPPS 121
37 83 FRGSSGSGTSTSLTISGMEADATATYTCOQWSNPTFGSGTKLEINRADAPTVSIFPPS 142
38 122 SEQLTSGGASVYCFPLNFTYPRDINKWKIDGSEKONGVLSMTDDSKDSTYSMSSTLT 181
39 143 SEQLTSGGASVYCFPLNFTYPRDINKWKIDGSEKONGVLSMTDDSKDSTYSMSSTLT 202
40 182 TKDEYERHNSYTCETHTKTSPTPIKSFNRNRC 214
41 203 TKDEYERHNSYTCETHTKTSPTPIKSFNRNRC 235
42
43 RESULT 4
44 US-08-116-247-5
45 Sequence 5, Application US/08116247
46 Patent No. 5829212
47 GENERAL INFORMATION:
48 APPLICANT: Jolliffe, Linda K.
49 APPLICANT: Zivin, Robert A.
50 APPLICANT: Adair, John R.
51 APPLICANT: Athwal, Diljeet S.
52 TITLE OF INVENTION: CD3 Specific Recombinant Antibody
53 NUMBER OF SEQUENCES: 29
54 CORRESPONDENCE ADDRESS:
55 ADDRESSSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5929212tris
56 STREET: One Liberty Place - 46th Floor
57 CITY: Philadelphia
58 STATE: PA
59 COUNTRY: USA
60 ZIP: 19103
61 COMPUTER READABLE FORM:
62 MEDIUM TYPE: Floppy disk
63 COMPUTER: IBM PC compatible

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|||||
Db 143 FPPSSQLTSGGASVCFLLNFYPKDINVWKIDGSEKONGVLNSMTDQSKDSTYSSMS 202
OY 178 TLTLTDEYERHNSYCEATHKSTSPYKSFNNRNC 214
Db 203 TLTLTDEYERHNSYCEATHKSTSPYKSFNNRNC 239

RESULT 7
US-08-792-824-3
; Sequence 3, Application US/08792824
; Patent No. 5932449
; GENERAL INFORMATION:
; APPLICANT: EMANUEL, PETER A.
; APPLICANT: BURANS, JAMES P.
; APPLICANT: VALDES, JAMES J.
; APPLICANT: MOHYE, ELDEFRAMI E.
; TITLE OF INVENTION: DETECTION OF BOTULINUM TOXIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: U.S. Army Chemical and Biological Defense
; STREET: Office of the Chief Counsel, Bldg E4435
; CITY: Aberdeen Proving Ground
; STATE: MD
; COUNTRY: U.S.
; ZIP: 21010-5423
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/792,824
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bifionl, U. J.
; REGISTRATION NUMBER: 39,908
; REFERENCE/DOCKET NUMBER: DAM 431-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 410-671-1158
; TELEFAX: 410-671-2534
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-792-824-3

Query Match 79.7%; Score 893; DB 2; Length 236;
Best Local Similarity 80.7%; Pred. No. 5.8e-64;
Matches 171; Conservative 17; Mismatches 22; Indels 2; Gaps 2;
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OY 4 LTQSPAIMSAPGEKYTMTCRASSSVSSYLHWYRQKSGASPKLWYTSNLSAGVPARF 63
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 26 MTPSPASLASVGEYVITICRASGNT-HNYLWYQOKQKSPQLLYNNAKTLDAGVPSRF 84
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 64 SSGSGSTSYSLTSSVEADATYYCQY-SGYRTFGGTTKLEIKRADAPVTSIFPPSS 122
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 85 SSGSGSTQYSLKINSIQPDPFGSYCQHFWSYPMWTFGGGTTKLEIKRADAPVTSIFPPSS 144
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 123 EQLTSGAGVCFLLNFYPRDINVKKIKIDGSEKONGVLNSMTDQSKDSTYSSMTLTLT 182
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 145 EQLTSGAGVCFLLNFYPRDINVKKIKIDGSEKONGVLNSMTDQSKDSTYSSMTLTLT 204
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 183 KDEYERHNSYCEATHKSTSPYKSFNNRNC 214
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 205 KDEYERHNSYCEATHKSTSPYKSFNNRNC 236
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
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```
RESULT 8
US-08-792-824-9
; Sequence 9, Application US/08792824
; Patent No. 5932449
; GENERAL INFORMATION:
; APPLICANT: EMANUEL, PETER A.
; APPLICANT: BURANS, JAMES P.
; APPLICANT: VALDES, JAMES J.
; APPLICANT: MOHYE, ELDEFRAMI E.
; TITLE OF INVENTION: DETECTION OF BOTULINUM TOXIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: U.S. Army Chemical and Biological Defense
; STREET: Office of the Chief Counsel, Bldg E4435
; CITY: Aberdeen Proving Ground
; STATE: MD
; COUNTRY: U.S.
; ZIP: 21010-5423
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/792,824
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bifionl, U. J.
; REGISTRATION NUMBER: 39,908
; REFERENCE/DOCKET NUMBER: DAM 431-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 410-671-1158
; TELEFAX: 410-671-2534
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-792-824-9

Query Match 79.7%; Score 893; DB 2; Length 236;
Best Local Similarity 80.7%; Pred. No. 5.8e-64;
Matches 171; Conservative 17; Mismatches 22; Indels 2; Gaps 2;
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OY 4 LTQSPAIMSAPGEKYTMTCRASSSVSSYLHWYRQKSGASPKLWYTSNLSAGVPARF 63
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 26 MTPSPASLASVGEYVITICRASGNT-HNYLWYQOKQKSPQLLYNNAKTLDAGVPSRF 84
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 64 SSGSGSTSYSLTSSVEADATYYCQY-SGYRTFGGTTKLEIKRADAPVTSIFPPSS 122
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 85 SSGSGSTQYSLKINSIQPDPFGSYCQHFWSYPMWTFGGGTTKLEIKRADAPVTSIFPPSS 144
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 123 EQLTSGAGVCFLLNFYPRDINVKKIKIDGSEKONGVLNSMTDQSKDSTYSSMTLTLT 182
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 145 EQLTSGAGVCFLLNFYPRDINVKKIKIDGSEKONGVLNSMTDQSKDSTYSSMTLTLT 204
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
OY 183 KDEYERHNSYCEATHKSTSPYKSFNNRNC 214
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 205 KDEYERHNSYCEATHKSTSPYKSFNNRNC 236
|||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

RESULT 9
US-08-792-824-12
; Sequence 12, Application US/08792824
; Patent No. 5932449
; GENERAL INFORMATION:
; APPLICANT: EMANUEL, PETER A.
; APPLICANT: BURANS, JAMES P.
; APPLICANT: VALDES, JAMES J.
```

```
APPLICANT: MOHTEE, ELDEFERAWI E.
TITLE OF INVENTION: DETECTION OF BOTULINUM TOXIN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: U.S. Army Chemical and Biological Defense
ADDRESS: Command
STREET: Office of the Chief Counsel, Bldg E4435
CITY: Aberdeen Proving Ground
STATE: MD
COUNTRY: U.S.
ZIP: 21010-5423
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/792,824
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Biftoni, U. J.
REGISTRATION NUMBER: 39,908
REFERENCE/DOCKET NUMBER: DAM 431-96
TELECOMMUNICATION INFORMATION:
TELEPHONE: 410-671-1158
TELEFAX: 410-671-2534
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 236 amino acids.
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-792-824-12
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Query Match          79.7%: Score 893; DB 2; Length 236;
Best Local Similarity 80.7%: Pred. No. 5.8e-64;
Matches 171; Conservative 17; Mismatches 22; Indels 2; Gaps 2;

QY 4 LTSPAIMSAPGKVTMTCTCRASSSVSSYLHWYRQKSGASPKLMTYSTNLASGVPARF 63
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 26 MTQSPALMSVGETVIITTCASGNI-HNYLAWYQOKGKSPQLLYNAKTLADGVPBRF 84
QY 64 SSGSGSTSYLTITSSVEADATYYCOQY-SGYRTFGGCTKLEIKRADAPTVSIFPPSS 122
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 85 SSGSGSTSYLTITSSVEADATYYCOQY-SGYRTFGGCTKLEIKRADAPTVSIFPPSS 144
QY 123 EQLTSGGASVYVCFLNNTYPRDINVKWKIDGSEKRGVNLNSWTDDSKDSTYSMSSTLTLT 182
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 145 EQLTSGGASVYVCFLNNTYPRDINVKWKIDGSEKRGVNLNSWTDDSKDSTYSMSSTLTLT 204
QY 183 KDEYERHNSYTCATHTKSTSPYKSFNRNEC 214
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 205 KDEYERHNSYTCATHTKSTSPYKSFNRNEC 236
```

```
RESULT 10
US-08-737-129A-8
Sequence 8, Application US/08737129A
Patent No. 5885816
GENERAL INFORMATION:
APPLICANT: Ikuo FUJII et al.
TITLE OF INVENTION: CATALYTIC ANTIBODIES ENANTIOSELECTIVELY
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/737,129A
FILING DATE: No. 5885816ember 15, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-737-129A-8
```

```
Query Match          79.6%: Score 892; DB 2; Length 215;
Best Local Similarity 80.0%: Pred. No. 6.2e-64;
Matches 172; Conservative 15; Mismatches 26; Indels 2; Gaps 2;

QY 1 ENVLTPAIMSAPGKVTMTCTCRASSSVSSYLHWYRQKSGASPKLMTYSTNLASGVP 60
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 1 ELVMTQTPSSMYATLGEVNTITCKASODI-NIYLSMFOQKPGSKALITRTNGLVDSVP 59
QY 61 ARFSGSGSTSYLTITSSVEADATYYCOQYSGY-RTFGGCTKLEIKRADAPTVSIFP 119
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 60 SRFSGSGSGQDQSYLTITSSVEADATYYCOQYSGY-RTFGGCTKLEIKRADAPTVSIFP 119
QY 120 PSSQLTSGGASVYVCFLNNTYPRDINVKWKIDGSEKRGVNLNSWTDDSKDSTYSMSSTLT 179
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 120 PSSQLTSGGASVYVCFLNNTYPRDINVKWKIDGSEKRGVNLNSWTDDSKDSTYSMSSTLT 179
QY 180 TLTDEYERHNSYTCATHTKSTSPYKSFNRNEC 214
    :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
DB 180 TLTDEYERHNSYTCATHTKSTSPYKSFNRNEC 214
```

```
RESULT 11
PCT-US94-14106-57
Sequence 57, Application PC/TUS9414106
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Process for Generating Specific Antibodies
NUMBER OF SEQUENCES: 61
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/14106
FILING DATE:
CLASSIFICATION:
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
```


